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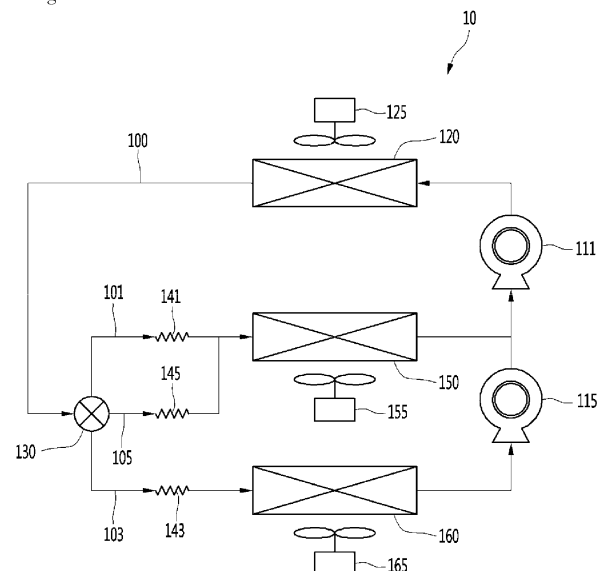
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(54) **REFRIGERATOR AND METHOD FOR CONTROLLING A REFRIGERATOR**

(57) A refrigerator (10) and a method for controlling a refrigerator (10), including a plurality of compressors (111, 115) and a plurality of evaporators (150, 160) disposed on inlet-sides of the plurality of compressors (111, 115) to supply cool air to a refrigerating compartment (R) and a freezing compartment (F) includes determining whether a temperature of the refrigerating compartment (R) belongs to a refrigerating compartment satisfaction range $((T_0 - \Delta T_1) \text{ to } (T_0 + \Delta T_1))$, determining an indoor temperature when the temperature of the refrigerating compartment (R) does not belong to the refrigerating compartment satisfaction range $((T_0 - \Delta T_1) \text{ to } (T_0 + \Delta T_1))$, and determining whether a load corresponding operation condition is satisfied when the determined indoor temperature belongs to a set range. When the load corresponding operation condition is satisfied, a simultaneous operation of the refrigerating compartment (R) and the freezing compartment (F) is performed, and when the load corresponding operation condition is not satisfied, a cooling operation of the refrigerating compartment (R) is performed.

Fig. 2





EUROPEAN SEARCH REPORT

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Y	* abstract; figures 2,6 *	14,15	F25D17/06
A	* paragraphs [0024] - [0028], [0044], [0061] - [0067], [0078] *	4-8,10, 12	
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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 13 February 2017	Examiner Bidet, Sébastien
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☒ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☐ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



**LACK OF UNITY OF INVENTION
SHEET B**

Application Number
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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-13

First invention

2. claims: 14, 15

Second invention

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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